REFERENCES

1. Abdalla Shaame, K. S. (2013, February). An Educational Framework for Free and Open Source Software. *International Journal of Innovation Management and Technology, 4*(1), 16-20. doi:10.7763/IJIMT.2013.V4.348
2. Ambar kundu, D. S. (2010). Application of Free and Open source software and its Impact on Society. *International Journal of Computer Science and Information Technologies, 1*(4), 226-229.
3. Anupriya Ankolekar, J. D. (2004). *Addressing Challenges to Open Source Collaboration with the semantic Web* .
4. Aswini K Ray, D. B. (2017). Open Source Software fro management and Information Services: An Overview. *International journal of Library and Information Studies , 7*, 20-31.
5. Attwell, G. (2005). What is the significance of open source software for the education and training community., (pp. 353-358).
6. Briju Thankachan, D. R. (2017, September). Challenges of Implementing Free and Open Source Spftware: Evidence from the Indian Education Setting. *International Review of Research in Open and Distributed Learning, 18*(6).
7. Chauhan, A. K. (2013). *Open Source and Open Standards in Hgher Education* .
8. Gary Hepbum, J. B. (2008). *Getting Open Source Software into School Atrategies and Challenges.* Nova Southeastern University: The Fischler School of Eucation and Human Services.
9. Gauri Sood, R. S. (2016, November). Comparative Study: Proprietary Software v/s open Source Software. *International Journal Of Innovative research in Computer and Communication Engineering, 04*(11), 19032-19038. doi:10.15680/IJIRCCE.2016.0411008
10. Gavande, A. R. (2017). Understanding Free And Open Source . In A. R. Gavande, & First (Ed.), *Understanding Free And Open Source* (First ed., pp. 1-7). Mumbai, Maharashtra, India: Self- Published by Ashish Gavande.
11. Guohua Pan, C. J. (2007, November). The Emergence of Open Source software in North America. *International Review of research in Open and Distance Learning*, 1-17.
12. Hepburn, G. (2005). Open Sources Software and Schools: New Opportunities and Directions. *Canadian Journal of Learning and Technology, 31*(1), NA.
13. Hugo Coll, D. B. (2008, july 22-24). Free software and open source application in higher education. *International Conferences on Engineering education*, 325-330.
14. John Kamau, S. N. (2012, July 19). A Review of Users Adotion of Open Source Software in Arica. *Computer and Information Science, 5*(5), 45-49. doi:10.5539/cis.v5n5p45

15. Joyceg Asing & Binod Gurung, Y. B. (2014). Free and open SOurce Tools: An Empirical investigation of Pre-Service Teachers Competencies, attitude and Pedagogical Intentions. *International Journal of teaching and Learning in Higher Education, 26*, 66-77.
16. Laurent, A. M. (2018). Understanding Open Source & Free Software Licensing. In A. M. Laurent, *Understanding Open Source & Free Software Licensing* (pp. 1-11). Navi Mumbai: Shroff Publisher & Distributer Pvt ltd.
17. Light M Kwami, J. K.-A. (2019). A Comparative Study of Tools used in Building Open Source and proprietary Integrated Library System. *International Journal of Computer and Information Security*, 101-106.
18. M Leealdharan, A. l. (2015, March). Open Source Software Awareness and Use by The Library Professionals of Professional Colleges in Puducherry. *International journal of Digital Library Services, 05*(1), 130-139.
19. Michael L Wilson, V. T. (2013, June). The Importances of Free and Open Source Software and Open Standards in Modern Scientific Publishing. *Open Access Publications* , 49-55. doi:10.3390/publications1020049
20. Michael Oduor, J. H. (2013). Use of Open Source Software for Educationl Purpose.
21. Mogan Lorraine, F. P. (2016). How Perception of Open Source Software Influence Adoption: An Exploratary Study. 973-984.
22. Mohamed Sarrab, M. E. (2013, March). The Technical, Non-technical Issues and the Challenges of Migration to Free and Open Source Software. *International Journal of Computer Science, 10*(02), 464-469.
23. Morgan, L. (2007, june 14). benefits and drawbacks of open source software: An Exploratary study of Secondary Firms. *Access to research at NUI Gateway*, 307-312. doi:10.1007/978-0-387-72486-7_33
24. Murtaza Ali Khan, F. U. (2012, October). Free and Open Source Software: Evolution, Benefits and Characteristics. *International Journal of Emerging Trend and Technology in Computer Science, 1*(3), 1-7.
25. N. Pankaja, M. R. (2013). Proprietary Software Versus Open Source Software for Education. *American Journal of Engineering Research, 02*(07), 124-130.
26. Praveen Badami, S. N. (2017). Adoption of Open Source on darbar Group of Institution- Impact and Challenges. *International Journal of Innovative Research in Computer and Communication Engineering*, 11856-11864.
27. Ranjan Kumar, S. K. (2018). Adoption of Free and Open Source Software in India. *International Journal of Applied Engineering Research*, 12725-12731.
28. Raya Al- Kajri, G. A.-M. (2017). Adoption of Free and Open Source Software Using Alternative Educationl Frame Work in College of Applied Science. *Free and Open Source Software Conferences*, (pp. 1-4). Muscat.
29. S Premkumar, A. T. (2014, December). Role of Open Source in E- Governance. *International Journalof Computer Engineeringin research Trends, 1*(6), 357-366.

30. Sankar, M. S. (2018). Challenges in Implementation of Free and Open source software. *International journal of pure and Applied Mathematics*, 235-241.
31. Shaame, A. A. (2014). The Adoption of Free and Open Source Software in Teaching and Learning: Case Atudy Zanzibar Eduction Institutes. *International Journal Of Managerial Studies and Research, 2*(5), 53-59.
32. Shaheen lakhan, K. J. (2008). *Open Source Software in Education.* Creative Commons Attribution.
33. Sheetal Uplenchwar, D. M. (2016, March). Literature Review: Proprietary Software Versus Open SOurce Software And Role Of Open Source Software In Education System. *IICMR research Journal, 10*(1), 41-48.
34. Soma Bandyopadhyay, S. T. (2016). ICT in Eduation: Open Source Software and its Impact on Teachers and Students. *International Journal of Computer Application, 151*(06), 19-24.
35. Sulayman G Sowe, L. G. (2007). Emerging Free and Open Source Software Practices. In L. G. Sulayman G Sowe, *Emerging Free and Open Source Software Practices* (pp. 191-210). Hershey, United State Of America: IGI Publishing.
36. Vamshi Ambati, S. P. (2004). *How can Academic Softwarwe Research and Open source software Development help each other.*
37. Wei, Z. (2011). Research on the Application of Open Source Source in Digital Library. *Advance in Control Engineering and Information Science*, 1662-1667. doi:10.1016/j.proeng.2011.08.310
38. Xing, M. (2014, September). The Impact of Commertial Open Source Software on proprietary Software Produers and Social Welfare. *Journal of Industrial Engineering and Management, 7*(5), 1183-1196.